

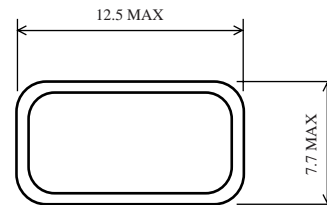
SAW RESONATOR

F81SM, F

APPLICATIONS

Carrier oscillators in RF Modulators for VCR,
BS tuner, CATV, etc.

SYSTEM	NTSC JAPAN
CHANNEL	1 CH (91.25 MHz) 2 CH (97.25 MHz)

PACKAGE DIMENSION

Unit mm

Pin No.

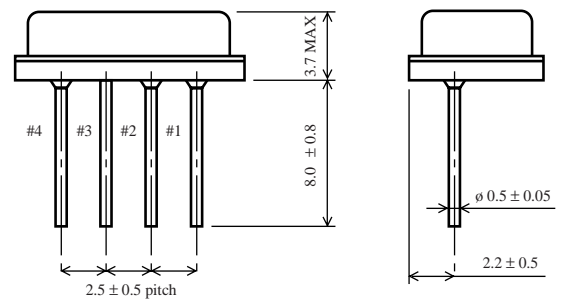
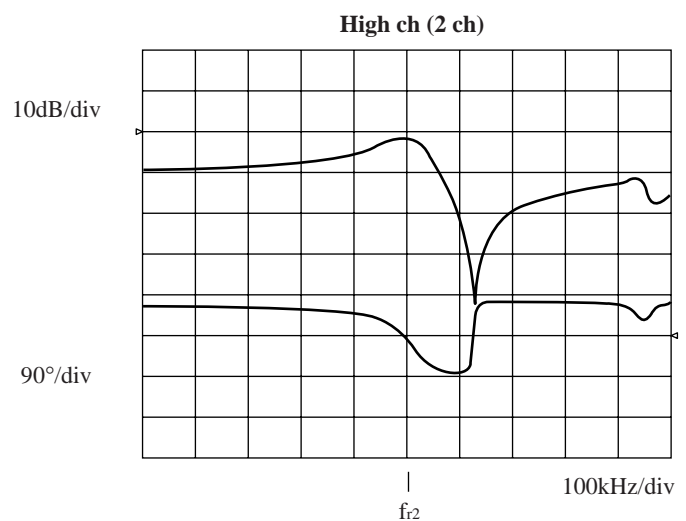
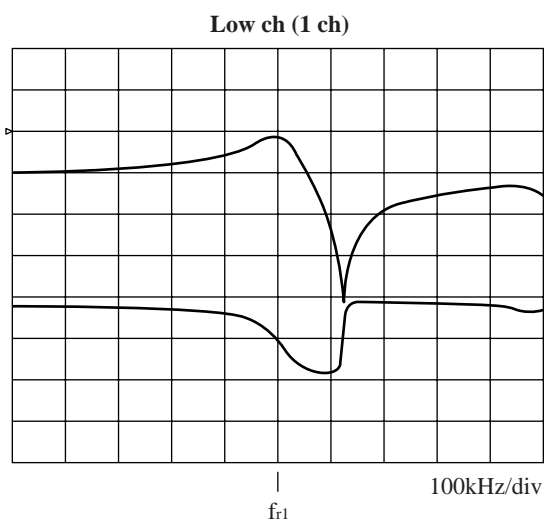
- #1. Low ch (1 ch)
- #2. High ch (2 ch)
- #3. Ground
- #4. Common

ELECTRICAL CHARACTERISTICS (Ta=25°C unless otherwise noted)

Item	Type	F81SM, F	Unit
Resonant frequency (1)	f_{r1}	91.21 ± 0.06	MHz
	f_{r2}	97.21 ± 0.06	
Resonant loss (1)	A_{r1}	1.8 Max.	dB
	A_{r2}	1.8 Max.	
Parallel capacitance (2)	C_{TE1}	4.3 ± 1.0	pF
	C_{TE2}	4.3 ± 1.0	
Temp. coeff. of frequency (-20°C to 70°C)		-18	ppm/°C

Note (1) Measured in a 50-ohm system

(2) Measured at frequency of 1 MHz

**TYPICAL FREQUENCY TRANSMISSION CHARACTERISTICS**

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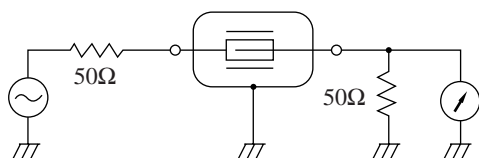
FEATURES

- (1) Adjustment free
- (2) Two channels in one Single Inline Package
- (3) Direct fundamental oscillation
- (4) No spurious response
- (5) Small size and light weight
- (6) High reproducibility
- (7) High reliability

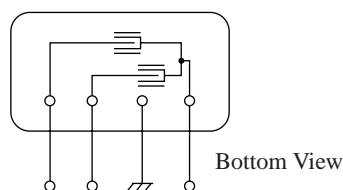
ABSOLUTE MAXIMUM RATINGS

Operating Temperature -10 to 60°C
Storage Temperature -55 to 85°C
DC Voltage 3V
Driving power 0.2mW

MEASUREMENT CIRCUIT



PIN CONNECTIONS



EQUIVALENT CIRCUIT

